

RAPID RAPPEL



[4.1-Tactical]

4.1-Tactical decent system

Developed for military and law-enforcement missions, this lightweight, compact solution gives operators a clear advantage during descents, evacuations, and vertical access in maritime, urban, and mountainous environments.

Intuitive by design, it is quick to learn and easy to operate—reducing training time while delivering high control and confidence under pressure. This makes it an ideal choice for units where not every operator has extensive rope or climbing experience, and for personnel who need to perform safely and effectively with minimal prior exposure to rope systems.

The descender delivers smooth, reliable one-handed operation—eliminating the need to keep a hand on the brake side of the rope—thanks to its unique, patented friction-mode adjustment. It delivers excellent braking performance in wet conditions.

 50kg	 EN-341:2012/EN365:2005	 22kN
 140kg	 Aluminium, steel, nylon	 10-50
 20m: 650g, 30m: 790g, 50m: 1060g inc. 2 x carabiners, rope protector, Technora rope, rope bag and vacuum bag.		



4mm Technora fire resistant rope

Technora® is a premium para-aramid fiber, selected for its exceptional strength and outstanding flex-fatigue resistance—helping the rope retain its performance and minimize strength loss even after repeated use. It also offers excellent resistance to water, steam, and many chemicals, and provides high heat tolerance (up to 500°C). For long-term serviceability, the rope can be replaced on training devices and on units that are revalidated by an authorized entity.

 100% Technora	 4 mm	 15.3 Minimum strenght
 13.6 g/m	 0.4%	 16.7 Average strenght

Production and quality control

Our trusted Norwegian supplier CNC-machines every metal component to ensure precise tolerances and consistent quality. Every meter of rope is subjected to rigorous quality control, including simulated rappelling within the device's approved weight range and detailed visual inspection. Webbing and rope are expertly stitched on our in-house CNC sewing machines for repeatable strength and finish. Each unit is manufactured, assembled, and tested in Norway to meet the highest standards.



Certification

VVUU, a.s. has assessed the system in accordance with EN 341:2012 and EN 365:2005. Under EN 341 it is classified as Type 2 / Class D (single-use). For professional operations, authorized military, law-enforcement, and qualified personnel may use the device repeatedly under controlled procedures.

During development and certification, the system was tested with a 175 kg load over 50 m rappels in dry, wet, wet/cold, and very cold conditions. In the event of an unexpected freefall during rappelling, the brake is designed to slide down the rope to reduce peak forces. Certification testing also included a 140 kg test mass drop from 60 cm, with a maximum recorded peak force of 4.1 kN.

Multi-Use for Military & Law Enforcement

The 4.1-Tactical is engineered for repeated descents in training and operations. However, the EN 341 framework does not provide a clear route to market certain multi-descent configurations—particularly those using non-kernmantle rope constructions. For this reason, it cannot be marketed as an EN-certified multi-use device, even though it is designed for multi-use in professional applications.

To support advanced operational needs, the manufacturer offers an operational (non-certified) multi-descent edition with no fixed limit on the number of descents. The rope is user-replaceable, allowing units to swap ropes as needed for training, maintenance, or operational readiness.

As with all life-safety equipment, the operator remains responsible for pre-use inspection and deciding when components must be replaced.

Same hardware—different labeling: The single-use and multi-use versions are mechanically identical; only the label marking differs, and the single-use model includes a visual wear/use indicator to show it has been deployed.



Wessels Veg 95
7502 Stjørdal
Norway
www.rapidrappel.com

Designed,
developed and
produced in
Norway